

Substitute for form 1449A&B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	10/591099	
				Filing Date	March 2, 2005	
				First Named Inventor	Matsui, Takeshi	
				Art Unit		
Examiner Name						
Attorney Docket Number	082368-010000US					
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures	T ⁵
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
/MA/	0001	WO	01/21658	A1	03-29-2001	Human Genome Sciences, Inc.		<input type="checkbox"/>
↓	0002	WO	02/008288	A2	01-31-2002	Genentech, Inc.		<input type="checkbox"/>
	0003	WO	02/068628	A1	09-06-2002	Human Genome Sciences, Inc.		<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
/MA/	0004	AHO, Sirpa, et al.; "cDNA Cloning, mRNA Expression, and Chromosomal Mapping of Human and Mouse Periplakin Genes;" <u>Genomics</u> ; March 1, 1988; pp. 242-247; 48:2.			<input type="checkbox"/>
↓	0005	ASSELINEAU, D. and M. Prunieras; "Reconstruction of 'simplified' skin: control of fabrication;" <u>British Journal of Dermatology</u> ; 1984; pp. 219-222; 111: Supplement 27.			<input type="checkbox"/>
	0006	BACKENDORF, Claude and Daniel Hohl; "A common origin for cornified envelope proteins?;" <u>Nature Genetics</u> ; October 1992; p. 91; 2:2.			<input type="checkbox"/>
	0007	BELL, Eugene, et al.; "Living Tissue Formed in vitro and Accepted as Skin-Equivalent Tissue of Full Thickness;" <u>Science</u> ; March 6, 1981; pp. 1052-1054; 211:4486.			<input type="checkbox"/>
	0008	BERNARD, François-Xavier, et al.; "Comparison of gene expression profiles in human keratinocyte mono-layer cultures, reconstituted epidermis and normal human skin; transcriptional effects of retinoid treatments in reconstituted human epidermis;" <u>Experimental Dermatology</u> ; February 11, 2002; pp. 59-74; 11:1.			<input type="checkbox"/>
	0009	BONKOBARA, M., et al.; "Identification of novel genes for secreted and membrane-anchored proteins in human keratinocytes;" <u>British Journal of Dermatology</u> ; April 2003; pp. 654-664; 148:4.			<input type="checkbox"/>

Examiner Signature	/Marianne Allen/	Date Considered	10/24/2008
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/MA/	0010	CELIS, Julio E., et al.; "The human keratinocyte two-dimensional gel protein database (update 1995): Mapping components of signal transduction pathways;" <u>Electrophoresis</u> ; December 1995; pp. 2177-2240; 16:12.	<input type="checkbox"/>	
	0011	CHAMPLIAUD, Marie-France, et al.; "cDNA Cloning and Characterization of Sciellin, a LIM Domain Protein of the Keratinocyte Cornified Envelope;" <u>The Journal of Biological Chemistry</u> ; November 20, 1998; pp. 31547-31554; 273:47.	<input type="checkbox"/>	
	0012	COLE, Jana, et al.; "Early gene expression profile of human skin to injury using high-density cDNA microarrays;" <u>Wound Repair and Regeneration</u> ; September-October 2001; pp. 360-370; 9:5.	<input type="checkbox"/>	
	0013	DISEPIO, Daniel, et al.; "Identification and characterization of a retinoid-induced class II tumor suppressor/growth regulatory gene;" <u>Proceedings of the National Academy of Sciences of the United States of America</u> ; December 8, 1998; pp. 14811-14815; 95:25.	<input type="checkbox"/>	
	0014	ECKERT, Richard L.; "Structure, Function, and Differentiation of the Keratinocyte;" <u>Physiological Reviews</u> ; October 1989; pp. 1316-1346; 69:4.	<input type="checkbox"/>	
	0015	ECKERT, Richard L., et al.; "The Epidermal Keratinocyte as a Model for the Study of Gene Regulation and Cell Differentiation;" <u>Physiological Reviews</u> ; April 1997; pp. 397-424; 77:2.	<input type="checkbox"/>	
	0016	FRANK, Stefan and Sabine Werner; "The Human Homologue of the Yeast <i>CHL1</i> Gene Is a Novel Keratinocyte Growth Factor-regulated Gene;" <u>The Journal of Biological Chemistry</u> ; October 4, 1996; pp. 24337-24340; 271:40.	<input type="checkbox"/>	
	0017	FRANK, Stefan, et al.; "The human homologue of a bovine non-selenium glutathione peroxidase is a novel keratinocyte growth factor-regulated gene;" <u>Oncogene</u> ; February 27, 1997; pp. 915-921; 14:8.	<input type="checkbox"/>	
	0018	FUCHS, Elaine; "Keratins and the Skin;" <u>Annual Review of Cell Division and Biology</u> ; 1995; pp. 123-153; 11.	<input type="checkbox"/>	
	0019	FUCHS, Elaine and Carolyn Byrne; "The epidermis: rising to the surface;" <u>Current Opinion in Genetics and Development</u> ; October 4, 1994; pp. 725-736; 4:5.	<input type="checkbox"/>	
	0020	FUCHS, Elaine and Howard Green; "Changes in Keratin Gene Expression during Terminal Differentiation of the Keratinocyte;" <u>Cell</u> ; April 19, 1980; pp. 1033-1042; 19:4.	<input type="checkbox"/>	
	0021	ISHIDA-YAMAMOTO, Akemi and Hajime Iizuka; "Structural organization of cornified cell envelopes and alterations in inherited skin disorders;" <u>Experimental Dermatology</u> ; February 1998; pp. 1-10; 7:1.	<input type="checkbox"/>	

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/MA/	0022	JANSEN, Bastiaan J. J., et al.; "Serial Analysis of Gene Expression in Differentiated Cultures of Human Epidermal Keratinocytes;" <u>The Journal of Investigative Dermatology</u> ; January 2001; pp. 12-22; 116:1.	<input type="checkbox"/>	
↓	0023	KALININ, Andrey E., et al.; "Assembly of the epidermal cornified cell envelope;" <u>Journal of Cell Science</u> ; September 2001; pp. 3069-3070; 114: Part 17.	<input type="checkbox"/>	
	0024	KALININ, Andrey E., et al.; "Epithelial barrier function: assembly and structural features of the cornified cell envelope;" <u>BioEssays</u> ; September 2002; pp. 789-800; 24:9.	<input type="checkbox"/>	
	0025	KATZ, Anne B. and Lorne B. Taichman; "A Partial Catalog of Proteins Secreted by Epidermal Keratinocytes in Culture;" <u>The Journal of Investigative Dermatology</u> ; May 1999; pp. 818-821; 112:5.	<input type="checkbox"/>	
	0026	KAZEROUNIAN, Shideh and Sirpa Aho; "Characterization of Periphilin, a Widespread, Highly Insoluble Nuclear Protein and Potential Constituent of the Keratinocyte Cornified Envelope;" <u>The Journal of Biological Chemistry</u> ; September 19, 2003; pp. 36707-36717; 278:38.	<input type="checkbox"/>	
	0027	KITA, Hiroko, et al.; "An Expression Profile of Active Genes in Cultured Human Keratinocytes;" <u>DNA Research</u> ; February 29, 1996; pp. 1-7; 3:1.	<input type="checkbox"/>	
	0028	KOMIYA, Tohru, et al.; "A Large-Scale <i>in Situ</i> Hybridization System Using an Equalized cDNA Library;" <u>Analytical Biochemistry</u> ; December 1, 1997; pp. 23-30; 254:1.	<input type="checkbox"/>	
	0029	KONISHI, Keisuke, et al.; "Cataloguing of the Genes Expressed in Human Keratinocytes; Analysis of 607 Randomly Isolated cDNA Sequences;" <u>Biochemical and Biophysical Research Communications</u> ; July 29, 1984; pp. 976-983; 202:2.	<input type="checkbox"/>	
	0030	KRIEG, Peter, et al.; "Repetin (<i>Rptn</i>), a New Member of the 'Fused Gene' Subgroup within the S100 Gene Family Encoding a Murine Epidermal Differentiation Protein;" <u>Genomics</u> ; August 1, 1997; pp. 339-348; 43:3.	<input type="checkbox"/>	
	0031	MÄÄTTÄ, Arto, et al.; "Structure and Regulation of the Envoplakin Gene;" <u>The Journal of Biological Chemistry</u> ; June 30, 2000; pp. 19857-19865; 275:26.	<input type="checkbox"/>	
	↓	0032	MACKENZIE, Ian C. and Norbert E. Fusenig; "Regeneration of Organized Epithelial Structure;" <u>The Journal of Investigative Dermatology</u> ; July 1983; pp. 189s-194s; 81:1 Supplement.	<input type="checkbox"/>

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/MA/	0033	MAKINO, Teruhiko, et al.; "Homerin, a Novel Profilaggrin-like Protein and Differentiation-specific Marker Isolated from Mouse Skin," <u>The Journal of Biological Chemistry</u> ; December 14, 2001; pp. 47445-47452; 276:50.	<input type="checkbox"/>	
	0034	MARENHOLZ, Ingo, et al.; "Genetic Analysis of the Epidermal Differentiation Complex (EDC) on Human Chromosome 1q21: Chromosomal Orientation, New Markers, and a 6-Mb YAC Contig," <u>Genomics</u> ; November 1, 1996; pp. 295-302; 37:3.	<input type="checkbox"/>	
	0035	MARENHOLD, Ingo, et al.; "Identification of Human Epidermal Differentiation Complex (EDC)-Encoded Genes by Subtractive Hybridization of Entire YACs to a Gridded Keratinocyte cDNA Library," <u>Genome Research</u> ; March 2001; pp. 341-355; 11:3.	<input type="checkbox"/>	
	0036	MATSUI, Takeshi, et al.; "Identification of novel keratinocyte-secreted peptides dermokine- α - β and a new stratified epithelium-secreted protein gene complex on human chromosome 19q13.1," <u>Genomics</u> ; August 2004; pp. 384-397; 84:2.	<input type="checkbox"/>	
	0037	MISCHKE, Dietmar, et al.; "Genes Encoding Structural Proteins of Epidermal Cornification and S100 Calcium-Binding Proteins Form a Gene Complex ('Epidermal Differentiation Complex') on Human Chromosome 1q21," <u>The Journal of Investigative Dermatology</u> ; May 1996; pp. 989-992; 106:5.	<input type="checkbox"/>	
	0038	MOFFATT, Pierre, et al.; "Identification of a conserved cluster of skin-specific genes encoding secreted proteins," <u>Gene</u> ; June 9, 2004; pp. 123-131; 334.	<input type="checkbox"/>	
	0039	MOLL, Roland, et al.; "Different Keratin Polypeptides in Epidermis and other Epithelia of Human Skin: A Specific Cytokeratin of Molecular Weight 46,000 in Epithelia of the Piloosebaceous Tract and Basal Cell Epitheliomas," <u>The Journal of Cell Biology</u> ; October 1982; pp. 285-295; 95:1.	<input type="checkbox"/>	
	0040	MUNZ, Barbara, et al.; "Differential Expression of the Calpactin I Subunits Annexin II and p11 in Cultured Keratinocytes and During Wound Repair," <u>The Journal of Investigative Dermatology</u> ; March 1997; pp. 307-312; 108:3.	<input type="checkbox"/>	
	0041	OOMIZU, Souichi, et al.; "Kdap, a novel gene associated with the stratification of the epithelium," <u>Gene</u> ; October 3, 2000; pp. 19-27; 256: 1-2.	<input type="checkbox"/>	
	0042	PARENTEAU, Nancy L., et al.; "Epidermis Generated In Vitro; Practical Considerations and Applications," <u>Journal of Cellular Biochemistry</u> ; March 1991; pp. 245-251; 45:3.	<input type="checkbox"/>	
	0043	PARK, Geon Tae, et al.; "Suprabasin, a Novel Epidermal Differentiation Marker and Potential Cornified Envelope Precursor," <u>The Journal of Biological Chemistry</u> ; November 22, 2002; pp. 45195-45202; 277:47.	<input type="checkbox"/>	

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/MA/	0044	RIVAS, Miriam V., et al.; "Identification of Aberrantly Regulated Genes in Diseased Skin Using the cDNA Differential Display Technique;" <u>The Journal of Investigative Dermatology</u> ; February 1997; pp. 188-194; 108:2.	<input type="checkbox"/>	
↓	0045	ROOP, Dennis; "Defects In the Barrier;" <u>Science</u> ; January 27, 1995; pp. 474-475; 267:5197.	<input type="checkbox"/>	
	0046	ROTHNAGEL, Joseph A., et al.; "Characterization of the Mouse Loricrin Gene: Linkage with Profilaggrin and the Flaky Tail and Soft Coat Mutant Loci on Chromosome 3;" <u>Genomics</u> ; September 15, 1994; pp. 450-456; 23:2.	<input type="checkbox"/>	
	0047	van RUIJSSEN, Fred, et al.; "A Partial Transcriptome of Human Epidermis;" <u>Genomics</u> ; May 2002; pp. 671-678; 79:5.	<input type="checkbox"/>	
	0048	RUTBERG, Susan E., et al.; "Identification of Differentially Expressed Genes in chemically Induced Skin Tumors;" <u>Molecular Carcinogenesis</u> ; September 1997; pp. 88-98; 20:1.	<input type="checkbox"/>	
	0049	SONG, Hae-Jun, et al.; "Mouse <i>Sprr2</i> Genes: A Clustered Family of Genes Showing Differential Expression in Epithelial Tissues;" <u>Genomics</u> ; January 1, 1999; pp. 28-42; 55:1.	<input type="checkbox"/>	
	0050	STARK, Hans-Jürgen, et al.; "Organotypic Keratinocyte Cocultures in Defined Medium with Regular Epidermal Morphogenesis and Differentiation;" <u>The Journal of Investigative Dermatology</u> ; May 1999; pp. 681-691; 112:5.	<input type="checkbox"/>	
	0051	TOULZA, Eve, et al.; "The Human Dermokine Gene: Description of Novel Isoforms with Different Tissue-Specific Expression and Subcellular Location;" <u>The Journal of Investigative Dermatology</u> ; February 2006; pp. 503-506; 126:2.	<input type="checkbox"/>	
	0052	TRENKLE, Thomas, et al.; "Non-stoichiometric reduced complexity probes for cDNA arrays;" <u>Nucleic Acids Research</u> ; September 1, 1998; pp. 3883-3891; 26:17.	<input type="checkbox"/>	
	0053	VOLZ, Armin, et al.; "Physical Mapping of a Functional Cluster of Epidermal Differentiation Genes on Chromosome 1q21;" <u>Genomics</u> ; October 1993; pp. 92-99; 18:1.	<input type="checkbox"/>	
	0054	WATT, F. M.; "Terminal differentiation of epidermal keratinocytes;" <u>Current Opinion in Cell Biology</u> ; December 1989; pp. 1107-1115; 1:6.	<input type="checkbox"/>	

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